

**Dental Radiography** Potential CTAN alignment with the Dental Assisting Pathway in the Career Field Technical Content Standards of the Ohio Department of Education.

**General Course Description:** The course will prepare the learner for the state license examination for exposing radiographs in a dental office setting. Includes properties of radiographs and imaging, the dental imaging machine, radiation safety, digital imaging, dental films, and the processing of radiographs.

**Advising Notes:**

- Must access credit within 3 years of program completion or within currency of certificate.

**Proposed Semester Credit Hours:** 2

**Proposed Alignment:**

<b>Proposed Learning Outcomes</b> <b>The student will be able to:</b>	<b>Competencies and/or Descriptors from the Dental Assisting Pathway of the Career Field Technical Content Standards-To be added after endorsement.</b>
1. Recognize the properties of x-radiation.	
2. Describe how dental radiographic images are produced.	
3. Explain how kV, mA, and exposure time affect the x-ray beam.	
4. Identify the proper range of kV and mA used in dental radiographic imaging.	
5. Discuss radiation injury and describe the effect on various tissues.	
6. List and describe ways to protect a patient before, during and after radiation exposure.	
7. Define MPD, cumulative occupational dose, and ALARA.	
8. Demonstrate proper safety protocols when exposing radiographic images.	
9. Label the dental x-ray machine component parts and explain the function of each.	
10. Assess equipment prior to use for safety and quality assurance.	

11. Demonstrate preparing the armamentarium for dental radiographic images.	
12. Demonstrate preparing the patient for dental radiographic images.	
13. Demonstrate techniques for exposing bitewing, periapical, panoramic, and occlusal dental radiographic images.	
14. Describe and demonstrate the processing, storing, and information security of dental radiographic images.	
15. Accurately arrange dental radiographic images in digital template.	

**Introduction to Dental Assisting** Potential CTAN alignment with the Dental Assisting Pathway in the Career Field Technical Content Standards of the Ohio Department of Education.

**General Course Description:** This course is an introduction to dental assisting. The role of the dental assistant and the profession of dentistry are covered. In addition, dental terminology, ethics and laws are introduced.

**Advising Notes:**

- Must access credit within 3 years of program completion or within currency of certificate.

**Proposed Semester Credit Hours:** 1

**Proposed Alignment:**

<b>Proposed Learning Outcomes</b> <b>The student will be able to:</b>	<b>Competencies and/or Descriptors from the Dental Assisting Pathway of the Career Field Technical Content Standards-To be added after endorsement.</b>
1. Describe the history of dentistry and dental assisting.	
2. Explain the role of the dental assistant and their duties in creating a safe environment for the public.	
3. Define dental terminology.	
4. Describe professionalism for dental assistants.	

5. Name and describe members of the dental team.	
6. Identify dental specialties and team member roles in various fields.	
7. Describe the practices of basic oral hygiene.	